

SECRET CONTROL
DOWNGRADING NO

Rocky Flats Plant
North American Space Operations
Rockwell International Corporation
P.O. Box 464
Golden, Colorado 80402-0464
(303) 966-7000

Rockwell
International

Contractor to U.S. Department of Energy

000024553

87-RF-1739

MAR 6 1987

Albert E. Whiteman
Area Manager
DOE, RFAO

Attn: Ron Reed

SURFACE RUNOFF OF SPRAY IRRIGATED WATER FROM THE
SEWAGE TREATMENT PLANT EFFLUENT
NPDES PERMIT NO. CO-0001333

Management requirements in our NPDES permit, page 16, part 5, require prompt notification to the EPA Regional Administrator and the State in writing of each diversion or bypass. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit.

According to the requirements of this NPDES permit, treated sanitary sewage from the Rocky Flats Sewage Treatment Plant must be spray irrigated and there shall be no discharge from Pond B-3 except when weather conditions (precipitations, snow melt, and/or extreme low temperatures) result.

Spray irrigation of the treated sanitary sewage has been done in accordance with good engineering practices since 1979 at Rocky Flats. However, on March 2, 1987, because of the degree of saturation of the spray fields with snow melt, some surface runoff of the treated sanitary sewage was experienced. The combined snow melt, treated sanitary sewage, and natural drainage in the area flowed into the Woman Creek drainage. This water circumvented the permitted NPDES discharge locations resulting in a technical violation of the Rocky Flats NPDES permit.

DIST ☒ C ☒ G

SANCHINI D.J. ☒
BENJAMIN A. ☒
ADAMS M.L. ☒
BADER C.P. ☒
CAMPBELL G.W. ☒
HOOD R.C. ☒
KINZER J.E. ☒
LANGHEIM G.R. ☒
MCNETT J.F. ☒
PETERSON R.G. ☒
SHANNON W.M. ☒
SMITH R.E. ☒
VEJVODA E. ☒
WEIDNER C.W. ☒
WESTON W.F. ☒
WILSON G.L. ☒
WOZNAK B.O. ☒
YODER R.E. ☒
YOUNGER ☒
Meyers G.W. ☒

BETCHER D.M. ☒
CHANDA R.N. ☒
FREIBERG K.J. ☒
HARMAN L.K. ☒
HEBERT J.L. ☒
HOEY J.B. ☒
HOFFMAN R.B. ☒
KRIEG D.M. ☒
LIM B.W. ☒
LOUDENBURG G.E. ☒
NAIMON E.R. ☒
NEWBY R.L. ☒
TURNER H.L. ☒
VELASQUEZ R.N. ☒

COPIES CONTROL ☒ X
G.H. Schick ☒
G.L. Potter ☒
R.L. Henry ☒
C. Rose ☒
R. Schick ☒

CLASSIFICATION
UNCLASSIFIED ☒ X
CONFIDENTIAL ☒
SECRET ☒

AUTH CLASSIFIER SIG
C. Rose
DATE *3-4-87*
IN REPLY TO LTR NO.

LTR APPROVALS
Bader C.
C.P.

ORIG & TYPIST INITIALS
R.L. 11/10
DE 11/10 (1/1/81)

ADMIN RECORD
Best Available Copy

SW-A-003895

A. E. Whiteman

Page 2

MAK : 128/

87-RF-1739

Analytical results from the treated sanitary sewage effluent at the advanced waste water treatment plant showed good water quality and no adverse impact is expected on Woman Creek.

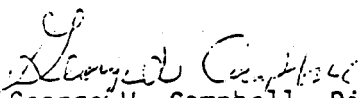
The corrective actions being taken to preclude a reoccurrence of this surface runoff are:

- (1) Installation of a second spray irrigation field which will increase the acreage for spray irrigated water.
- (2) Discharge the treated sanitary sewage through Discharge Location 001 when weather conditions prevent proper spray irrigation.
- (3) Installation of a perimeter trench around the primary spray field to divert surface flows into Location 007 as an engineering safeguard. (feasibility study ongoing)
- (4) Enhance administrative controls by Rockwell personnel to provide additional surveillance of the spray irrigation fields.

Please notify the following people by March 6, 1987.

Mr. Pat Godsil, Chief
Compliance Branch
Water Management Division
U. S. Environmental Protection Agency, Region VIII
One Denver Place
999 - 18th Street, Suite 1300
Denver, CO 80202-2413

Colorado Department of Health
Attn: Stanley V. May
Monitoring and Enforcement Section
Water Quality Division
4210 East Eleventh Avenue
Denver, CO 80220


George W. Campbell, Director
Health, Safety and Environment

Orig. and 1 cc - A. E. Whiteman